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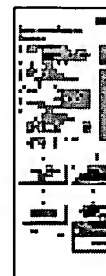
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Title: JP5325463A2: FLOATING TYPE MAGNETIC HEAD DEVICE
Country: JP Japan
Kind: A
Inventor: MIHASHI HIROYUKI;
Assignee: SONY CORP
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Published / Filed: 1993-12-10 / 1992-05-19
Application Number: JP1992000126472
IPC Code: G11B 21/21;
Priority Number: 1992-05-19 JP1992000126472



Abstract: PURPOSE: To reduce wear caused by sliding of a disk of a slider, and to improve a contact start/stop characteristic by forming a shape of the slider so that an area of the air bearing surface of an air inflow side of an air inflow groove becomes larger than that of air outflow side.

CONSTITUTION: A slider 1 is supported by a suspension 2, and attached to an actuator 3. The slider 1 comes into contact with a magnetic disk 3 at the time of actuation, but floats up by receiving an air flow caused by a rotation of the disk 4, and records and reproduced information at a minute gap from the surface of the disk 4. On the principal surface of the slider 1, rail working is performed and a grooved part 5 being an air inflow groove is formed, and on both sides of the grooved part 5, slider rails 6, 7 are protruded and formed. On air bearing surfaces 6a, 7a of the rails 6, 7, a groove part 9 is provided. Length of the surfaces 6a, 7a, width of the grooved part 9, and a distance extending from an end part of an air outflow end side to the center of the grooved part 9 of the surfaces 6a, 7a are denoted as (a), (b) and (c), respectively, so as to become $0.05a \leq b \leq 0.5a$, and $0.1a \leq c \leq 0.35a$.

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Family: None

Other Abstract Info: None



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